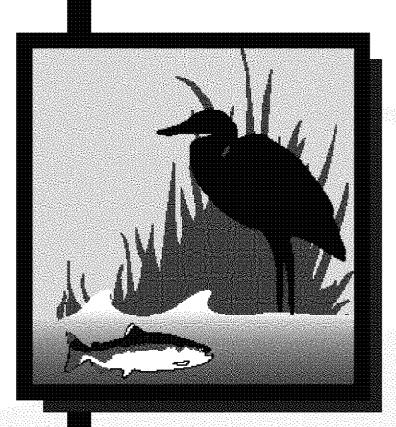
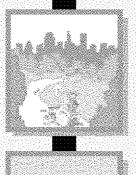


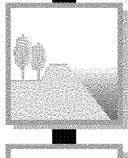
1997 AND 1998 Ecosystem Restoration Proposals

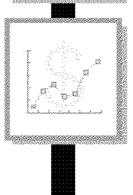












1997 Ecosystem Restoration Proposals



DIRECTORS

WESTERN CANAL WATER DISTRICT

OFFICERS

President Lance Tennis

P.O. Box 190 RICHVALE, CA 95974 Manager & Secretary Gary N. Brown

Vice President Don Heffren

PHONE: (916) 342-5083 FAX: (916) 342-8233 Attorney
Jeffrey Meith of
Minasian, Minasian,
Minasian, Spruance,
Baber, Meith & Soares

Homer Lundberg

Milton LaMalta

July 17, 1997

E. Franklin Larrabee

Cindy Darling Restoration Coordinator CALFED BAY-DELTA Program 1416 Ninth Street, Suite 1155 Sacramento, CA 95814

Re: Proposal in Response to RFP 1997 Category III Ecosystem Restoration Projects and Programs

Dear Ms. Darling:

Enclosed herewith are ten (10) copies of the Western Canal Water District's Proposal for their Butte Creek Siphon and Dam Removal Project, requesting \$413,500 in supplemental funding.

As you are aware, This is one of the two projects chosen for funding in the 1996 CALFED Category III funding cycle. As you will see in the proposal, the project cost" as bid" is higher than the original budget by some \$1,240,621. Each of the three major funding partners in the project are being asked to increase their contribution.

The project is about 40% completed at this time, and appears to be on schedule. Many groups have visited the project, and are impressed with the cooperative effort to restore 18.5 miles of Butte Creek to natural conditions by removing four dams in Butte Creek.

If our proposal is approved for funding, please give consideration to recommending that the existing Agreement No. 10265 with Metropolitan Water District of Southern California on behalf of the California Urban Water Agencies be simply amended to a new ceiling of \$3,152,540. This contract is now functioning well in re-imbursing the District as construction costs are paid each month. This would be more efficient than a new contract through DWR.

Thank you for your consideration of this great project...

Sincerely.

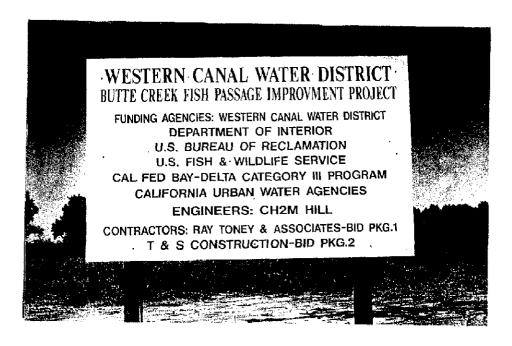
Gary N. Brown General Manager

any P. Brown

WESTERN CANAL WATER DISTRICT

BUTTE CREEK SIPHON

AND ASSOCIATED IMPROVEMENTS



WESTERN CANAL WATER DISTRICT, A CALIFORNIA WATER DISTRICT AND PUBLIC AGENCY P.O. BOX 190 RICHVALE, CA 95974 PHONE: (916) 342-5083 FAX: (916) 342-8233 TAX I.D. # 64-0046277

PROJECT MANAGER: GARY N. BROWN
TECHNICAL CONTACT: CH2M HILL ENGINEERS, REDDING, CA

PARTICIPANTS/COLLABORATORS IN IMPLEMENTATION

- * CALIFORNIA DEPT. OF FISH & GAME
- * U.S. FISH & WILDLIFE SERVICE
- * U.S. BUREAU OF RECLAMATION
- * CALIFORNIA URBAN WATER AGENCIES
- * METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA
- * MARC REISNER, AUTHOR
- * WCWD LANDOWNERS
- * CALFED BAY DELTA PROGRAM

RFP PROJECT GROUP: CONSTRUCTION

III. PROJECT DESCRIPTION

a. Project Description and Approach

The Butte Creek Siphon and Associated Improvements Project is a cooperative effort to construct an inverted siphon and associated delivery system improvements which will allow removal of four unscreened diversion dams in Butte Creek to enhance fish passage and augment Butte Creek Flows while maintaining water deliveries to existing District customers. The project is currently under construction with two separate contracts (one for the siphon, and the other for associated improvements). The details of the two bid packages can be visualized by reviewing the design drawing index for each package labeled EXHIBIT A and B.

The major features of the project are:

- Demolition and removal of two WCWD dams, McGowan dam and McPherrin dam (also known as Howard Slough dam), all of which are unscreened diversions.
- Construction of an inverted siphon approximately 850 feet in length under Butte
 Creek, to continue to deliver up to 1,000 cfs of irrigation water from the Feather
 River to some 26,000 acres of the District's service area located on the west side
 of Butte Creek.
- Construction of new control structures and delivery canals to replace the delivery capability lost due to the removal of the District's two dams.
- Construction of a facility to allow delivery of District's Feather River water into Butte Creek to augment fish flows while providing fall water to the Butte Sink Duck Clubs per the 1922 Agreement.
- 5. Construction of facilities to connect the California Department of Fish and Game's Llano Seco Refuge to the Western Canal Water District system. This water will replace water previously diverted at the Parrott Phelan dam, and leave more water in Butte Creek.
- 6. Construction of a new canal, 9800 feet long, from Little Butte Creek through the CDF&G Howard Slough Unit Refuge to serve the refuge and other lands to the south, previously served by water diverted at McGowan and McPherrin dams.
- In cooperation with Richvale Irrigation District, construction of a check and diversion structure on Little Dry Creek Overflow channel, construction of 3,600 feet of new canal on Harris Property, and annexation to the District the lands of Harris and McPherrin (1,400 ac.).

b. Location and Boundaries of Project

Western Canal Water District, a California Water District, was formed on December 18, 1984, when District landowners voted to acquire it from PG&E, and elect it's first Board of Directors. The Predecessor to PG&E was the Great Western Power Company, who developed the Feather River for hydro-electric generation and constructed the diversion on the river to deliver water to the canal, providing surface water delivery to a service area of about 59,000 acres. The District

is the most northerly of the Feather River diverters, and serves lands in both Butte and Glenn counties. A District boundary map is attached as EXHIBIT C. A map depicting the locations of Butte Creek, Feather River, and Yuba River, Including the dams is shown in EXHIBIT D.

Butte Creek traverses some 18 miles through the District in a south westerly direction and divides it so that 43%, or 26,000 acres are west of Butte Creek, and 57%, or 34,000 acres are on the east side. The District's main canal crosses Butte Creek by using a check dam and a main channel dam on the creek. The back-water provided by the dams provides low-lift pumping of irrigation water to a large portion of lands to the north of the main canal, as well as the District's Highline canal.

c. Expected Benefits

Butte Creek is recognized as the Sacramento River tributary with the largest population of native Spring-run chinook salmon, and also the stream with greatest potential to sustain the species through restoration projects. The WCWD Butte Creek Siphon and Associated Improvements Project will have significant short and long-term benefits to the resident and anadromous aquatic species, especially the Spring-run chinook salmon and Steelhead trout. These expected benefits include:

- 1. Complete removal of the four dams will provide unrestricted up-stream passage of returning adult spawners, without the stress of ladders.
- 2. Immediate elimination of losses of out-migrating juvenile salmon which may have been lost to large unscreened diversions.
- 3. Improved, more natural habitat in the creek and in the riparian habitat.
- 4. Un-interrupted water delivery to District landowners at all times of the year without fear of endangering migrating fish.
- 5. Fall-run salmon adults will not have access to the canals, and Little Butte Creek, preventing their loss as strays.
- Un-restricted fish passage through 18 miles of Butte Creek without fear of unscreened diversions or difficult fish ladders.
- 7. Providing water to the CDF&G Llano Seco Refuge with Feather River water will result in additional water flowing in Butte Creek that would have been diverted at the Parrott Phelan dam.
- 8. Removal of the four dams will result in lower O&M costs because we will not be maintaing screens and ladders.
- The District, CDF&G and McPherrin will eliminate the liability of dam ownership.
- 10. The project will be a major contributor to the eventual restoration of this very important effort to protect and restore Spring-run chinook salmon in Butte Creek.
- The ability to provide fall water for rice straw incorporation and waterfowl habitat without major concerns about the affect on migrating fish is a definite benefit for agriculture, fish and waterfowl.

 This complex project, involving comprehensive cooperative efforts by many Federal, State, District and interested organizations, will be an example for others to follow.

d. Background and Biological/Technical Justification

Butte Creek has been identified as a critical spawning stream for the Spring-run chinook salmon. It is one of the three Sacramento River tributarics (Deer, and Mill Creek) with Spring-run populations and sustainable habitat. The CDF&G, Inland Fisheries Division, in their February 1, 1996 Special Report to the Fish and Game Commission, entitled Status of Actions to Restore Central Valley Spring-run Salmon, indicate that Butte creek has a high priority potential for restoration.

The Draft Anadromous Fish Restoration Plan (prepared under authority of the Central Valley Improvement Act), ranks the Butte Creek Siphon and dam removal project as **High Priority**. The AFRP goes on to say in footnote, "Although this action address fish passage, it is assigned a high priority because the removal of the Western Canal Dams and the construction of the Western Canal Siphon returns the stream to natural conditions and enhances anadromous salmonid access to spawning habitats." The same footnote applies to removal of the McGowan and McPherrin dams, also ranked **High Priority**.

The Category III Steering Committee recommended this project for funding as one of two projects approved for funding in the 1996 funding cycle, indicating that it is a great project which meets the CALFED Bay-Delta Category III objectives.

The project construction began May 27, 1997, and is more than 25% complete as of June 20, 1997. A summary of all Task Order expenditures as of July 10, 1997 is attached as EXHIBIT E.

e. Proposed Scope of Work

The project as approved and currently under construction is hereby proposed for supplemental Category III funding.

f. Monitoring and Data Evaluation

To determine the effectiveness of the project, the District will cooperate and coordinate with USF&WATER SPECIALTIES in their Comprehensive Assessment and Monitoring Program (CAMP).

G. Implementability

All environmental reviews and reports have been completed. All permits necessary for the construction have been obtained, and all easements have been acquired.

IV. BUDGET COSTS

The budget established for the project in early spring of 1996, and proposed to the three funding partners (WCWD, Dept. Of Interior, and Category III) was \$8,217,000. The bids were opened in Jan/Feb 1997, and the project budget had to be increased to \$9,757,661. The progression of cost elements over time is shown in EXHIBIT F.

Following bid opening, the District embarked on a "Cost Containment" exercise to lower the project cost. The resulting Change Order No. 1 to bid package No. 2 resulted in a reduction of \$300,040.

The revised funding level for the project is now \$9,457,621, or \$1,240,621 over the originally funded project budget of \$8,217,000.

The project budget is broken down into eight Task Orders, approved in the original Category III agreement. The budget by Task Order is shown in EXHIBIT G.

The Agreement No. 10265, dated August 1, 1996, between the Metropolitan Water District of Southern California and Western Canal Water District was for a grant of funds from the California Urban Water Agencies (CUWA) Category III account. The grant was in the amount of \$2,739,000, and represented one-third of the 1996 budget project cost of \$8,217,000. The remaining two-thirds of funding came equally form Department of the Interior and WCWD. The subject agreement provides for a cap of \$2,739,000 toward the project.

The original funding and the requested funding ia shown as follows:

· ·	<u> </u>		
	ORIGINAL	REVISED REQUEST	INCREASE
WCWD	\$2,569,000	\$2,982,541	\$413,541
TRACY PUMPS	<u> 170,000</u>	<u> 170,000</u>	0-
	\$2,739,000	\$3,152,541	\$413,541
CVPIA	\$2,739,000	\$3,152,540	\$413,540
CALFED CAT III	<u>\$2,739,000</u>	<u>\$3,152,540</u>	\$413.540
TOTALS	S8,217,000	<u>\$9,457,621</u>	\$1,240,621

This request for supplemental funding through the CALFED BAY-DELTA CATEGORY III 1997 Ecosystem Restoration Program is in the amount of <u>\$413,500</u>. The Department of Interior, our other funding partner, has been asked to increase their grant as well. WCWD has committed \$413,541 in additional funds toward the project in the original spirit of the three-way funding arrangement.

The schedule for project completion and related cash flow requirements are shown for the final budget of \$9,457,621 in EXHIBIT H.

V. APPLICANT QUALIFICATIONS

Project management is provided by Western Canal Water District. The District's Secretary/Manager, Gary N. Brown, has 28 years of water district management experience, including many construction projects utilizing Federal and State funding sources. The project was designed by the Engineering Consulting firm of CH2M HILL, of Redding, California. Construction Management Services are being provided by CH2M HILL as well.

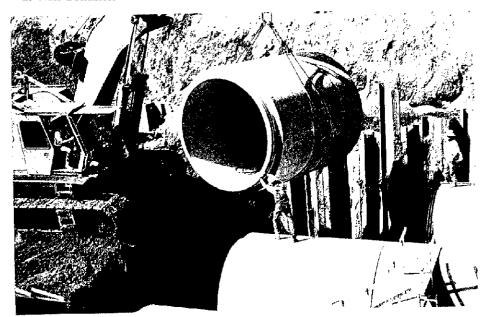
The successful contractor on bid package No. 1, is Ray Toney and Associates of Redding, California. The successful bidder on bid package No. 2, is T & S Construction, of Sacramento, California. Both contractors are very competent, and construction is progressing well.

VI. COMPLIANCE WITH STANDARD TERMS AND CONDITIONS

We have reviewed the terms and conditions applicable to this proposal, and are in agreement with the terms and conditions shown. These are similar to those now in effect for this project. Attached are the following completed forms:

1. Non-Discrimination Compliance





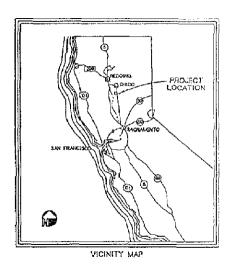
5

DESIGN DRAWINGS BUTTE CREEK SIPHON AND TURNOUTS

WESTERN CANAL WATER DISTRICT

BID PACKAGE

NELSON, CALIFORNIA



SEET	DWG.	INDEX TO DRAWINGS
NQ.	190.	TIRE
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3	⊱G-20	KEY PLAN
3	⊱G-30	ARDREVIATIONS AND OBJERAL MOTES
4	1-Q-49	STRUCTURAL NOTES AND ABBREVIATIONS
ű	1-0-40	LEGENO
4	7-51-10	SIPHOR PLAY & PROFILE STA 400-60 TO STA 607-60
7	J-21-30	SUPPON TYPICAL TREMON SECTIONS
8	1-21-30	FLAM HILET TITLE PLAN
9	1-5[-40	EXPHON OUTLET SITE PLAN .
10	>-31-EO	SIPHON INLET/OUTLET PLANS
11	1-57-60	SIAKON INJET/OUTLET SECTIONS AND DETAILS
R.	HMC-10	BUTTE CREEK TURNOUT PROFILE / 1944/1944 TURNOUT PROFILE
r)	3-MC-20	BUTTE CHEEK TEPPICAT PALET PLAN AND SECTIONS
14	1-MC-25	DUTTE LITERA TURNOUT DUTLET PLAN AND SECTION
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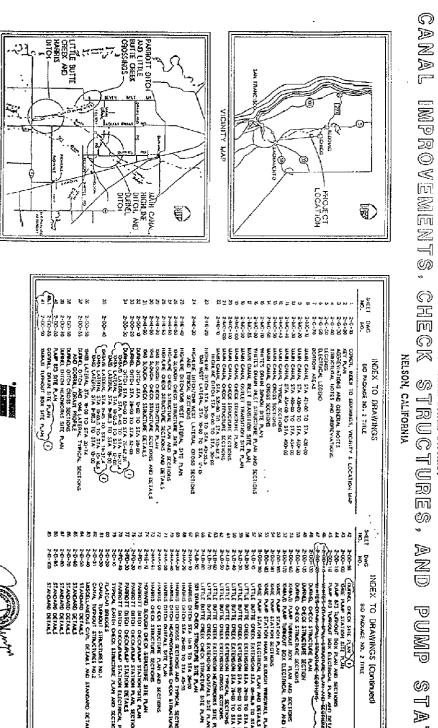




Decombor 1996

EXHIBIL "B"

LOCATION MAP



(N)

WESTERN CANAL WATER DISTRICT PACKAGE

BOX ELECIDICAL PLAY AND DETAILS

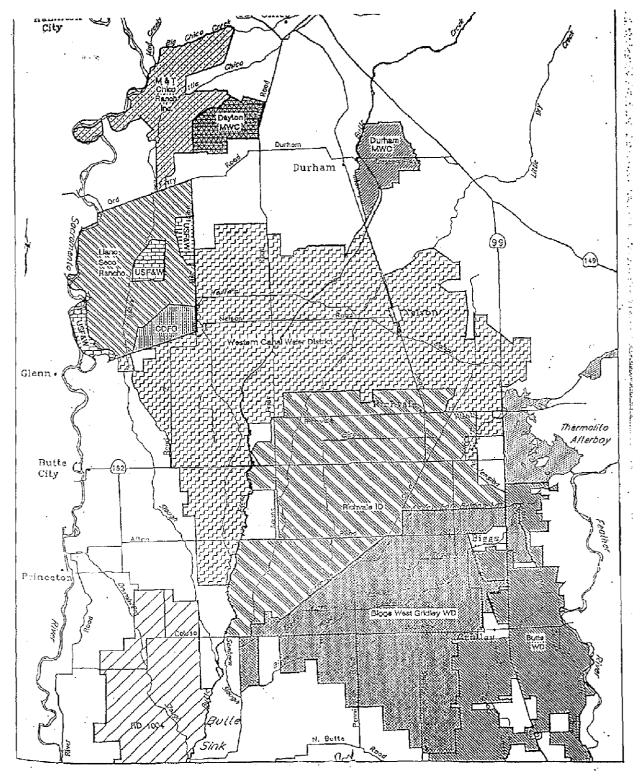
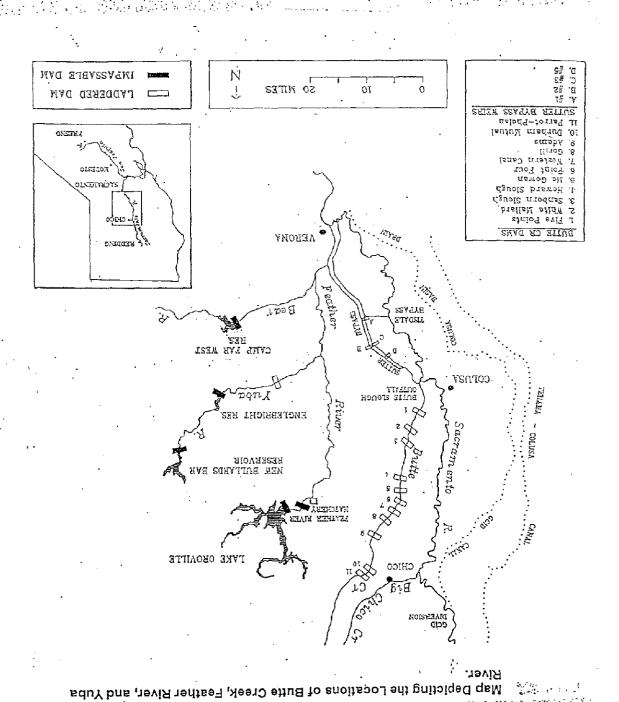


EXHIBIT "(



EXHIBIL ..D

TASKO TOIALAM EXHIBIT "E"

SUMMARY BUTTE CREEK SIPHON PROJECT TOTAL ALL TASK ORDERS

7/10/97 INVOICE #9

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TASK ORDER #2 ENVIRO-PERMITS	5	65,808,00							_									
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To Dale	\$	69,850.43	S	59,358.43	\$_	59,358.43					\$	10,492.00	\$	9,442.81			\$	69,850.43
TASK ORDER #3 SKINNER WELL	\$	100,000.03																
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TASK ORDER #5 ENGR. CONSTRUCTION MGT	5	400,000,00							_									
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TASK ORDER #7 CONSTRUCTION BP #2	5	4,964,380,00														, <u>.</u>		
This Invoice	s	338,413.50	ş	131,981.26	S	131,981.26	S	111,676,46			\$	94,755.78			\$	338,413.50		
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TASK ORDER #8 ALL OTHER PROJ. REL.	\$	275,000,00																
This Invoice	5	104,405.80	\$	39,673.80	s	39,673,80	\$	35,498,00	L		\$	29,234.00						
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EXHIBIT "F'

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458 Am 698 CM	127,500	127,500		127,500	005'28-
200	727,500	727,500		727,500	29,500
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CONST. MGT., INSPECTION 409,000 444,000 487,000	450,000	400,000		400,000	44,000
TION 292,000 253,000	124,500	124,500		124,500	-128,500
WCWO / USBR FEAS, STUDIES 0 230,000 Z30,000	230,000	230,000		230,000	0
	20,000	20,000	. !	20,000	Ö
ANNEX HARRIS & MCPHERRIN & ON-SITE 0 30,000 126,001	126,681	126,681		126,681	96,681
TOTAL PROJECT COST 7,413,600 8,217,000 9,061,781	9,207,181	9,757,661	-300,040	9,457,621	1,240,621
**					

4/22/97 GNB FINAL	WESTERN CANAL WATER DISTRICT BUTTE CREEK SIPHON AND ASSOCIATE	ED IMMPROVEMENTS	S PROJECT
	PROJECT BUDGET BASED ON TASKS	(AS BID WITH CO	NTINGENCY)
<u>TASK#</u> 0	DESCRIPTION feasibility studies and work prior to 8/1/96 A. WCWD feasibility study B. USBR fish passage study	<u>SUB-TOTAL</u> \$ 90,129 \$ 130,000	BUDGET
	C. Some geotechnicalD. Some enviro/permittingE. Pre-design engineering	\$ 14,986 \$ 32,963 \$ 219,500 \$ 487,578	\$ 487,578
1	Final Design Engineering	\$ 507,795	\$ 507,795
2	Completion of environmental & permitting	\$ 65,808	\$ 65,808
3	Construct new well @ 1048 F	\$ 100,000	\$ 100,000
4	WCWD project administration	\$ 20,000	\$ 20,000
5	Engr. Const. Mgt. Sycs	\$ 400,000	\$ 400,000
6	Bid Pkg, No. 1 Construction	\$3,837,100	\$ 3,837,100
7	Bid Pkg. No. 2 Construction	\$ 4,064,380	\$ 4,064,380
8	All Other Proj. Related ROW Acquisition Share McPherrin on-site Improvments Annexation costs - McPherrin & Harris Habitat Miligation	\$ 127,500 \$ 37,500 \$ 80,000 \$ 30,000 \$ 275,000	\$ 275,000

EXHIBIT "G"

TOTAL \$ 9,757,661

9,457,621 7,326,440 9,082,62H 375,000 222,000 150,000 130,000 51,000 130,000 20,000 127,500 130,000 110,000 625,681 TOTAL COST BY TASK XXXXXXXXX 150,000 1,000 1,000 367,440 0000000 30,000 176,440 998 367,440 -40C,000 421,681 75,000 495,681 2,065,500 100,000 2,000,000 69,000 2,253,000 3,002,000 2,165,500 2,750,000 2,153,000 2,902,000 5/28/97 2,000,000 597 WESTERN CANAL WATER DISTRICT BUTTE CREEK SIPHON PROJECT SCHEDULE AND CASH FLOW REQUIREMENTS 69,000 187,000 187,000 21.000| 30.000| 70,000 1996 3 46,000 308,000 308,000 44,000 156,000 156,000 10,000 213,000 213,000 240,000 240,000 1995 130,000 \$110,000 NG NG ENVIRONMENTAL-DEMOLITION OF BUTTE CRK DAMS CONTINGENCIES CONSTRUCTION STUDY (WCWD) ADMIN & JEGAL WCWD ENGINEERING DSGN.-CONST. FISH PASSAGE RICHT OF WAY STUDY (USBR) PERMITTING NSPECTION FEASIBILITY SURVEYING SUB TOTAL GEOTECH TOTALS TASK

EXHIBIT "H"

Agreement No.	
Exhibit	

NONCOLLUSION AFFIDAVIT TO BE EXECUTED BY BIDDER AND SUBMITTED WITH BID FOR PUBLIC WORKS

STATE OF CALIFORNIA)	22(
COUNTY OF Butte	753
Gary N. Brown (name)	, being first duly sworn, deposes and
says that he or she is Secretary/Manager	
(position title)	:
Western Canal Water District	:
	(the bidder)

the party making the foregoing bid that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

DATED: June 24, 1997 By Lary Soven
(person signing for bidder)

Subscribed and sworn to before me on

(Notary Public)

(Notarial Seal)

DAVID H HOLZHEY
Commission # 1107664
etary Public — Californi
Buttle County

MONDISCRIMINATION COMPLIANCE STATEMENT

TOWARN NAME Western Canal Water District

The company named above (hereinafter referred to as "prospective contractor") hereby certifies, unless specifically exempted, compliance with Government Code Section 12990 (a-f) and California Code of Regulations, Title 2. Division 4, Chapter 5 in matters relating to reporting requirements and the development, implementation and maintenance of a Nondiscrimination Program. Prospective contractor agrees not to unlawfully discriminate, harass or allow harassment against any employee or applicant for employment because of sex, race, color, ancestry, religious creed, national origin, disability (including HIV and AIDS), medical condition (cancer), age, marital status, denial of family and medical care leave and denial of pregnancy disability leave.

CERTIFICATION

I, the official named below, hereby swear that I am duly authorized to legally bind the prospective contractor to the above described certification. I am fully aware that this certification, executed on the date and in the county below, is made under penalty of perjury under the laws of the State of California.

SPROIAL'S MAVE	/		
Gary N. Brown			
DATE EXECUTED	EXECUTED IN THE COUNTY OF		
June 24, 1997	Butte		
Sam M. Srown , Secretary	Manager W.C.W.D.		:
PROSPECTIVE CONTRACTOR'S TITLE		,	
Western Canal Water District			
POSPECTIVE CONTRACTOR'S LEGAL BUSINESS NAME			
Western Canal Water District		<u> </u>	